

Remarks/Arguments

Applicants thank Examiner Kennedy for her careful examination and clear explanation of the claim rejections; and for her helpful suggestions during the telephone interview. In response, applicant amends claims 29 and 35 following the suggestions to overcome the 112 second paragraph rejection and to distinguish over the Sayama patent. Applicants also amend claim 37 to describe the invention more clearly without adding new matter.

Claim 29

Claim 29, as amended, describes a semiconductor device that has an NMOS transistor gate structure and a PMOS transistor gate structure. Both gate structures include a first metal silicide and a second metal silicide. The first metal silicide of the NMOS gate structure is n-doped; the first metal silicide of the PMOS gate structure is p-doped. The first metal silicide is on and in direct physical contact with the gate dielectric and has a first metal component. The second silicide has a metal component that is different from the first metal component. The Sayama patent does not disclose all these limitations and therefore does not anticipate claim 29.

Claim 35

Claim 35, as amended, describes a transistor gate structure. It includes a gate dielectric, a first metal silicide that is on and in and in direct physical contact with the gate dielectric; the first metal silicide is doped with substantially single polarity impurities and it has a first metal component; and above the first metal silicide there is a second metal silicide that has a metal component different from the first metal component. The Sayama patent does not disclose all these limitations and therefore does not anticipate claim 35.

Claims 30-33

Claims 30-33 properly depend from claim 29 having all its elements of limitation and therefore are not anticipated and not obvious.

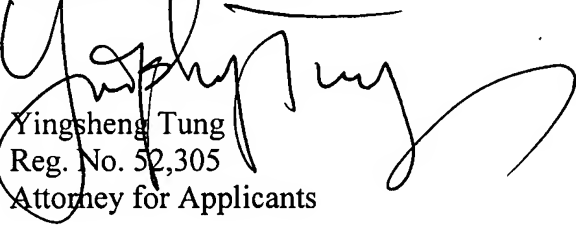
Claims 37-41

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Claims 37-41 properly depend from claim 35 having all its elements of limitation and therefore are not anticipated and not obvious.

In conclusion, applicants respectfully submit that the application is now in allowable form and all pending claims distinguish over the cited references. Applicants respectfully request further examination of this application and timely allowance of the pending claims.

Respectfully submitted,



Yingsheng Tung
Reg. No. 52,305
Attorney for Applicants

Texas Instruments Incorporated
P. O. Box 655474, MS 3999
Dallas, Texas 75265
(972) 917-5355